

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

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PCT

WRITTEN OPINION

(PCT Rule 66)

Date of mailing (day/month/year)	13.04.2004
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Applicant's or agent's file reference
02-006 PCT

REPLY DUE	within 3 months from the above date of mailing
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International application No.
PCT/EP 03/07675

International filing date (day/month/year)
16.07.2003

Priority date (day/month/year)
23.07.2003

International Patent Classification (IPC) or national classification and IPC
H01R4/24

Applicant
KRONE GMBH ET AL.

1. This written opinion is the **second** drawn by this International Preliminary Examining Authority.
2. This opinion contains indications relating to the following items:
 - I ☒ Basis of the opinion
 - II ☐ Priority
 - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - IV ☐ Lack of unity of invention
 - V ☒ Reasoned statement according to Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - VI ☐ Certain documents cited
 - VII ☐ Certain defects in the international application
 - VIII ☐ Certain observations on the international application
3. The applicant is hereby **invited to reply** to this opinion.

When? See the time limit indicated above. The applicant may, before the expiration of that time limit, requests this Authority to grant an extension, see Rule 66.2.d).

How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rule 66.8 and 66.9.

Also For an additional opportunity to submit amendments, see Rule 66.4.
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis.
For an informal communication with the examiner, see Rule 66.6.

If no reply is filed, the international preliminary report will be established on the basis of this opinion.
4. The final date by which the international preliminary examination report must be established according to Rule 69.2. is: 23.11.2004

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I. Basis of the opinion

1. This opinion has been drawn up on the basis of *(replacement sheets submitted by the receiving office pursuant to Article 14 are considered for the purposes of this Opinion to be "as originally filed".)*:

Description, pages:

1-24 as originally filed

Claims, No.:

1-17 as originally filed

Drawings, sheets:

1/9-9/9 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of the following documents:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This opinion has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

6. Additional observations, if necessary:

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	4,7,8,9-13,16,17
Inventive step (IS)	Claims	6
Industrial Applicability (IA)	Claims	

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: US-B-6346005

D2: US-A-2001/0024904

D3: DE-A-10051097

2. The present application does not meet the requirements of Article 33(1)-(4) PCT since the subject matter of claims 4, 7, 8, 9-13, 16, 17 is not novel.

2.1 Document D1 discloses an electrical connector element (509) having insulation displacement contacts (512) which are connected to an electrical contact (514) via conductors (see figure 4). The connector element can be received in a body (504). It is thus made easier to couple the electrical contacts to the wires (622) (see figure 4, column 4, lines 45-55). (claim 4)

2.2 The connector from document D1 is designed for connection to a module (300). (see figures 1, 4) (claim 7)

2.3 The connector from document D1 has a cable receiving part (511) (see figure 4). (claim 8)

2.4 Document D1 also discloses a method for connecting a connector to a cable (claim 16) and such a connector comprising a hollow body and connector elements (see item 2.1) (claim 17).

2.5 Document D3 discloses an insulation displacement contact (8) having a slot (see figure 1) which receives an insulated wire by means of a lateral movement of the wire. An insulated structure (4) is pushed over the contacts (see figure 1; paragraph 29). (claims 9, 10, 11, 12, 13)

3. The present application does not meet the requirements of Article 33(1)-(4) PCT since the subject matter of claim 6 is not based on an inventive step.

- 3.1 Document D2 discloses an electrical connector having a part (14) for receiving an end section of an electrical cable (50) such that the cable extends transversely from the part. (see figure 2A; paragraph 17)

The subject matter of claim 6 differs from document D2 in that insulation displacement contacts are provided.

Such contacts have long been known and are one alternative for those skilled in the art. For example, document D1 discloses such contacts in figure 4, see also item 2.1.